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REMARKS

Claims 1 and 22 have been amended, and claims 61, 64, 67 and 70 have been cancelled without prejudice. No new matter has been added. For instance, support for the 61-63 and 67-69 have been amended, and claims 60, 65, 66 and 71 have been cancelled without prejudice. No new matter has been added by virtue of the amendments. For instance, support for the amendments appears e.g. at pages 6 and 8 of the application.

Claims 1, 22 and 60-71 were rejected under 35 U.S.C. 103 over Motoyama (EP 408334) in view of Knors et al. (U.S. Patent 5800963) and Thackeray et al. (U.S. Patent 5851738). The rejection is traversed.

It has been specifically acknowledged that "[t]he Knors reference fails to teach or suggest the presence of a silicon-containing component."

It is also acknowledged that "[t]he Motoyama et al. reference further fails to specify additional, conventional components of the underlayer such as a crosslinker." See page 3 of the Office Action.

The Thackeray document is then cited for a further disclosure of an antihalation composition.

As an initial matter, persons skilled in the art do not readily expect that a bottom layer used with a novolak photoresist as reported in Knors would be useful with a Si-photoresist as reported in the other cited documents. Indeed, no evidence has been made of record to substantiate the desirability of combining such materials as has been proposed by the instant rejection.

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Moreover, even if one assumes for argument's sake that the proposed combination of documents may be legitimate, none of the cited documents, whether considered alone or in combination, disclose an organic underlayer composition with an above photoresist composition as Applicants claim.

Thus, Applicants' claims 1 and 22 (the only pending independent claims) each calls for:

an organic underlayer composition that comprises (i) a first resin that comprises phenol groups; (ii) a second acrylate resin that is distinct from the first resin and comprises one or more anthracene groups; (iii) a crosslinker component that is distinct from the first resin and second resin; the crosslinker comprising a benzoquanamine compound or a melamine compound; and (iv) an acid or acid generator compound;

a positive-acting photoresist composition coating layer over the underlayer composition, the photoresist comprising one or more resins that comprise Si groups, phenolic groups and photoacid-labile groups

These organic underlayer compositions and photoresist compositions are preferred aspects of Applicants' invention. See, for instance, the present application at page 4, lines 19-26; page 6; and the original claims.

Such underlayer compositions as recited in Applicants' independent claims 1 and 22 also are specifically exemplified in the examples of the application. For instance, Example 1 on pages 27-28 of the application discloses an underlayer composition that comprises 1) a polyvinylphenol; 2) a resin that contains polymerized units of methylmethacrylate/ anthracene acrylate/ethylhydroxyacrylate; and 3) a crosslinker component distinct from such resins.

The linchpin Knors document does not disclose an underlayer composition that comprises multiple resins as Applicants claim. The Knors document also does not disclose use of a crosslinker component as recited in Applicants' claims 61-63 and 67-69, or use of an acid or acid generator compound as recited in Applicants' claims 64 and 70.

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The Thackeray document also does not exemplify antihalation composition that have multiple resins as Applicants claim.

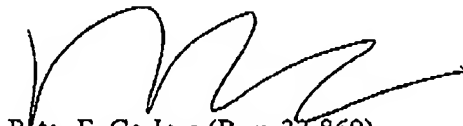
The Motoyama et al. is also quite distinct and reports a certain **negative-acting** photoresist. See, for instance, Motoyama et al. at page 5, line 37, where formation of a negative pattern is disclosed.

In contrast, Applicants claim a **positive-acting** photoresist.

In view thereof, reconsideration and withdrawal of the rejections are requested.

It is believed the application is in condition for immediate allowance, which action is earnestly solicited.

Respectfully submitted,



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